

Title (en)
Image processing method and apparatus, and printing method and apparatus

Title (de)
Bildverarbeitungsverfahren und -gerät, und Druckverfahren und Drucker

Title (fr)
Procédé et appareil de traitement d'image, et procédé et appareil d'impression

Publication
EP 0942591 A1 19990915 (EN)

Application
EP 99301828 A 19990311

Priority
• JP 5979498 A 19980311
• JP 5887599 A 19990305

Abstract (en)
Printing apparatus comprising a plurality of ink-jet head units for different densities of ink. Plural types of superimposition print data for superimposing different densities of ink in accordance with density are stored in an ink type distribution table. A predetermined image is printed on a print medium by using the plural types of superimposition print data, and density of the printed image is measured. Based on the measured density and a pixel value of original image data, the most optimum print data is selected from the plural types of superimposition print data stored in the ink type distribution table. By using the selected print data, driving data for printing the image is generated, using different densities of ink. <IMAGE>

IPC 1-7
H04N 1/60; **B41J 2/205**

IPC 8 full level
B41J 2/205 (2006.01); **H04N 1/23** (2006.01); **H04N 1/60** (2006.01)

CPC (source: EP US)
B41J 2/2056 (2013.01 - EP US); **H04N 1/6033** (2013.01 - EP US); **H04N 1/6097** (2013.01 - EP US)

Citation (applicant)
• US 4723129 A 19880202 - ENDO ICHIRO [JP], et al
• US 4740796 A 19880426 - ENDO ICHIRO [JP], et al
• US 4463359 A 19840731 - AYATA NAOKI [JP], et al
• US 4345262 A 19820817 - SHIRATO YOSHIAKI, et al
• US 4313124 A 19820126 - HARA TOSHITAMI
• US 4558333 A 19851210 - SUGITANI HIROSHI [JP], et al
• US 4459600 A 19840710 - SATO YASUSHI [JP], et al
• JP S59123670 A 19840717 - CANON KK

Citation (search report)
• [XA] EP 0750995 A1 19970102 - CANON KK [JP]
• [A] EP 0606022 A1 19940713 - CANON KK [JP]
• [A] EP 0454479 A2 19911030 - CANON KK [JP]
• [A] EP 0706889 A1 19960417 - CANON KK [JP]
• [A] EP 0685962 A2 19951206 - XEROX CORP [US]

Cited by
EP1329324A3; US6854822B2; US7070253B2

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
EP 0942591 A1 19990915; **EP 0942591 B1 20050112**; DE 69923098 D1 20050217; JP 3839989 B2 20061101; JP H11320920 A 19991124; US 6322186 B1 20011127

DOCDB simple family (application)
EP 99301828 A 19990311; DE 69923098 T 19990311; JP 5887599 A 19990305; US 26558899 A 19990310